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SACCHARIDES-CONTAINING ELECTROLYTE SOLUTION

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Abstract

PURPOSE: To obtain a saccharides-containing electrolyte solution having stability and no irritation to an organism such as a cell, causing neither coloring nor formation of a decomposition product to absorb ultraviolet rays even in heat sterilization.

CONSTITUTION: This sterilized saccharides-containing electrolyte solution contains a saccharide, a pH regulator such as a phosphoric acid-containing buffer solution and citric acid and has pH 0.6-7.5. A monosaccharide, a disaccharide, a trisaccharide, a polysaccharide and a sugaralcohol are used as the saccharide. A composition comprising 10-50g/l of the saccharide, 20-80mM of Na, 5-50mM of K, 0-3mM of Ca, 0-5mM of Mg, 5-15mM of P and a proper amount of citric acid may be cited as the representative example of content of each component of the solution. A container made of glass, a rigid plastic, a non-rigid plastic, etc., is used as a container for holding the solution, is not particularly limited and the container made of the non-rigid plastic is preferable. The solution is useful for cleaning a cell or a cultured cell and artificial dialysis such as peritoneal dialysis and as an transfusion agent for feeding.

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